

Proposal Full View

Print

Applicant Information

Organization Name City of Nevada City *

Tax ID **946000979**

Proposal Name CABY Region Integrated Water Use Efficiency & Drought Preparedness Program *

Proposal Objective This proposal addresses the critical need for improved infrastructure and drought preparedness within four rural and predominantly disadvantaged communities through a suite of water conservation and delivery-improvement projects. This effort is coordinated by the Cosumnes, American, Bear, and Yuba (CABY) regional watershed planning collaborative. The CABY region is situated entirely within the Mountain Counties Area as defined by the California Water Plan Update 2009 (DWR Update 2009). Although the Mountain Counties region makes up only 9.9 percent of the total land base and about 2 percent of the total population in California, it contributes over 60 percent of the state's domestic water supply (DWR 2009). While the CABY region is relatively small in terms of land area and population compared to other California regions, the management of its watersheds and water infrastructure is a critical component of the state's domestic water supply. Therefore, an investment of State funding in the economically disadvantaged portions of the CABY region stands to benefit not only local residents, whose very public health and safety is jeopardized by current conditions, but also the overall state domestic water supply, the quality of that supply, and the health of related natural and biological systems. These systems are directly impacted by inefficient water use, functionally obsolete infrastructure and the specter of climate change. *

Budget

Other Contribution	\$0.00
Local Contribution	\$436,090.00
Federal Contribution	\$0.00
Inkind Contribution	\$0.00
Amount Requested	\$3,910,264.00 *
Total Project Cost	\$4,346,354.00 *

Geographic Information

Latitude * DD(+/-) 39 MM 16 SS 14

Longitude * DD(+/-) 120 MM 48 SS 51

Longitude/Latitude Clarification Location

County Nevada,Placer,El Dorado *

Ground Water Basin Sacramento Valley-North American,Sacramento Valley-North Yuba,Sacramento Valley-South American,Sacramento Valley-South Yuba

Hydrologic Region Sacramento River

Watershed Cosumnes, American, Bear, Yuba

Legislative Information

Assembly District 3rd Assembly District *

Senate District 4th Senate District *

US Congressional District District 4 (CA) *

Project Information

Project Benefits Information

Project Name Nevada City Leak Detection and Repair

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Use Efficiency - Best Mgt. Practices-Water Supply Enhancement	0	Increased instream flows for environmental and other purposes - saving 143 af each year (benefits of other Nevada City projects have been aggregated as benefits are interdependant)

Primary	Water Use Efficiency - Conservation-Best Mgt. Practices	0	Avoided Water-purchase costs - reduce demand for water by 143 af in first year (benefits of other Nevada City projects have been aggregated as benefits are interdependant)
Secondary	Other	0	Avoided costs associated with infrastructure failure (unquantifiable) - reduce potential of catastrophic leaks
Secondary	Other	0	Reduced water-treatment costs - reducing leaks will save the City \$11,060 in first year, would decrease over lifetime of project (benefits of other Nevada City projects have been aggregated as benefits are interdependant)

Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	0
Inkind Contribution	0
Amount Requested	287762
Total Project Cost	287762

Geographic Information

Latitude DD(+/-)	39	MM 16	SS 14
Longitude DD(+/-)	120	MM 48	SS 51
Longitude/Latitude Clarification	Location City-wide, Nevada Ci		

County	Nevada
Ground Water Basin	Sacramento Valley-South Yuba
Hydrologic Region	Sacramento River
WaterShed	Yuba River

Legislative Information

Assembly District	3rd Assembly District
Senate District	4th Senate District
US Congressional District	District 4 (CA)

Project Information**Project Benefits Information**

Project Name Gracie Road Intertie

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Other-Improved Water Supply Facilities	0	Benefits include: Avoided Costs Associated with Improvements in Water-Supply Reliability-Incremental reduction in probability that Nevada City customers would experience water shortages.

Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	0

Inkind Contribution	0
Amount Requested	61985
Total Project Cost	61985
Geographic Information	
Latitude DD(+/-)	39 MM 16 SS 14
Longitude DD(+/-)	120 MM 48 SS 51
Longitude/Latitude Clarification	Location Intersection of Gracie and Gc
County	Nevada
Ground Water Basin	Sacramento Valley-North American,Sacramento Valley-North Yuba,Sacramento Valley-South American,Sacramento Valley-South Yuba
Hydrologic Region	Sacramento River
WaterShed	Cosumnes, American, Bear, Yuba

Legislative Information

Assembly District	3rd Assembly District
Senate District	4th Senate District
US Congressional District	District 4 (CA)

Project Information**Project Benefits Information**

Project Name

Prospect Street Distribution System Improv

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Other	0	Avoided costs associated with improvements in water supply reliability - lower probability of water shortages, benefits valued at \$12,150 per year (benefits of other Nevada City projects have been aggregated as benefits are interdependant)
Primary	Water Use Efficiency - Best Mgt. Practices-Water Supply Enhancement	0	Increased instream flows for environmental and other purposes - saving 143 af each year (benefits of other Nevada City projects have been aggregated as benefits are interdependant)
Primary	Water Use Efficiency - Conservation-Best Mgt. Practices	0	Avoided water-purchase costs - reduce demand for water by 143 af in first year (benefits of other Nevada City projects have been aggregated as benefits are interdependant)
Secondary	Other	0	Avoided costs associated with infrastructure failure (unquantifiable) - Reduce potential of catastrophic leaks (benefits of other Nevada City projects have been aggregated as benefits are interdependant)
Secondary	Other	0	Reduced water-treatment costs - reducing leaks will save the City \$11.060 in first year, would decrease over lifetime of project (benefits of other Nevada City projects have been aggregated as benefits are interdependant)

Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	0
Inkind Contribution	0
Amount Requested	143118
Total Project Cost	143118

Geographic Information

Latitude DD(+/-)	39	MM 16	SS 14
Longitude DD(+/-)	120	MM 48	SS 51
Longitude/Latitude Clarification	Location Prospect Street between Ad		

County	Nevada
Ground Water Basin	Sacramento Valley-South Yuba
Hydrologic Region	Sacramento River
WaterShed	Yuba River

Legislative Information

Assembly District	3rd Assembly District
Senate District	4th Senate District
US Congressional District	District 4 (CA)

Project Information**Project Benefits Information**

Project Name

Installation of Altitude Valves and SCADA :

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Other	0	Reduced operations costs - SCADA system would significantly reduce operation and maintaince costs for approximate savigs of \$15,000 for life of system
Primary	Other	0	Avoided costs associated with improvements in water-supply reliability - incrementally lower probablityof water shortages, values at \$12,150 per year
Primary	Water Use Efficiency - Best Mgt. Practices- Water Supply Enhancement	0	Increased instream flows for environmental and other purposes - saving 143 af each year (benefits of other Nevada City projects have been aggregated as benefits are interdependant)
Primary	Water Use Efficiency - Conservation- Best Mgt. Practices	0	Avoided water purchase costs: reduce demand for water by 143 af in first year (benefits of other Nevada City projects have been aggregated as benefits are interdependant)
Secondary	Other	0	Reduced water teatment costs: rducing leaks will save the city \$11,060 in first year, would decrease over lifetme of project (benefits of other Nevada City have been aggregated as benfits are interdependant)
			Reduced water-treatment costs - reducing leaks and spills will save the City \$11,060 in first year, would decrease over

Secondary	Other	0	lifetime of project (benefits of other Nevada City projects have been aggregated as benefits are interdependant)
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Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	0
Inkind Contribution	0
Amount Requested	253745
Total Project Cost	253745

Geographic Information

Latitude DD(+/-)	39	MM 16	SS 14
Longitude DD(+/-)	120	MM 48	SS 51

Longitude/Latitude Clarification Location Nevada City water treatment

County	Nevada
Ground Water Basin	Sacramento Valley-South Yuba
Hydrologic Region	Sacramento River
WaterShed	Yuba River

Legislative Information

Assembly District	3rd Assembly District
Senate District	4th Senate District
US Congressional District	District 4 (CA)

Project Information**Project Benefits Information**

Project Name

Nevada City - Installation of Water Meters

Project Benefit Type	Benefit Type	Measurement	Description
Secondary	Other	0	Reduced water-treatment costs - reducing irrigation will contribute to saving the city \$11,060 in first year, would decrease over lifetime of project (benefits of other Nevada City projects have been aggregated as benefits are interdependant)
Secondary	Water Use Efficiency - Conservation-Water Demand/Conservation	0	Increased instream flows for environmental and other purposes - capacity to greatly decrease irrigation will contribute to the aggregated benefit of 143 af savings per year (benefits of other Nevada City projects have been aggregated as benefits are interdependant)

Budget

Other Contribution	0
Local Contribution	0

Federal Contribution	0
Inkind Contribution	0
Amount Requested	10715
Total Project Cost	10715

Geographic Information

Latitude DD(+/-)	39	MM 16	SS 14
Longitude DD(+/-)	120	MM 48	SS 51
Longitude/Latitude Clarification	Location City-wide, Nevada City (c)		

County	Nevada
Ground Water Basin	Sacramento Valley-South Yuba
Hydrologic Region	Sacramento River
WaterShed	Yuba River

Legislative Information

Assembly District	3rd Assembly District
Senate District	4th Senate District
US Congressional District	District 4 (CA)

Project Information**Project Benefits Information**

Project Name

Nevada City Integrated Water Shortage Contingency ε

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Use Efficiency - Conservation-Water Demand/Conservation	0	Avoided water-purchase costs - reduce water demand by 143 af in the first year of project (benefits of other Nevada City projects have been aggregated as benefits are interdependant)
Primary	Training and Outreach	0	Increased instream flows for environmental and other purposes - saving 143 af each year (benefits of other Nevada City projects have been aggregated as benefits are interdependant)
Secondary	Training and Outreach	0	Reduced water-treatment costs - reducing consumption will save the City \$11,060 (benefits of other Nevada City projects have been aggregated as benefits are interdependant)

Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	0
Inkind Contribution	0
Amount Requested	186595

Total Project Cost	186595		
Geographic Information			
Latitude DD(+/-)	39	MM 16	SS 14
Longitude DD(+/-)	120	MM 48	SS 51
Longitude/Latitude Clarification	Location		City-wide, Nevada Ci
County	Nevada		
Ground Water Basin	Sacramento Valley-South Yuba		
Hydrologic Region	Sacramento River		
WaterShed	Yuba River		

Legislative Information

Assembly District	3rd Assembly District
Senate District	4th Senate District
US Congressional District	District 4 (CA)

Project Information**Project Benefits Information**

Project Name WCWD - Maybert Road Distribution Line I

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Other	0	Reduced operations costs - Reduction in leaks will reduce O&M cost by \$12,864 per year (all WCWD project benefits have been aggregated-benefits are interdependant)
Primary	Other	0	Increased instream flows for environmental and other purposes - Reduced diversions of 1.6 af of water from Canyon Creek in first year of implementation (all WCWD project benefits have been aggregated-benefits are interdependant)
Secondary	Other	0	Avoided costs associated with infrastructure failure (unquantifiable) - project will reduce likelihood of infrastructure failures (all WCWD project benefits have been aggregated-benefits are interdependant)

Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	0
Inkind Contribution	0
Amount Requested	439822
Total Project Cost	439822

Geographic Information

Latitude DD(+/-)	39	MM 21	SS 34
Longitude DD(+/-)	120	MM 47	SS 57
Longitude/Latitude Clarification	Location		From Gaston Grade to 1
County	Nevada		
Ground Water Basin	Sacramento Valley-South Yuba		
Hydrologic Region	Sacramento River		

WaterShed	Yuba River
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Legislative Information

Assembly District	3rd Assembly District
Senate District	1st Senate District
US Congressional District	District 4 (CA)

Project Information**Project Benefits Information**

Project Name

WCWD - Relief Hill Road - Flow Control Pr

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Other	0	Reduced operations costs - improved system performance will reduce O&M by \$12,864 per year (all WCWD project benefits have been aggregated-benefits are interdependant)
Primary	Other	0	Avoided costs associated with improvements in water reliability - would produce an annual benefit of \$6,809 per year (all WCWD project benefits have been aggregated-benefits are interdependant)
Secondary	Other	0	Avoided costs associated with infrastructure failure (unquantifiable) - Improved performance could reduce need for provisioning emergency water supplies (all WCWD project benefits have been aggregated-benefits are interdependant)

Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	0
Inkind Contribution	0
Amount Requested	299421
Total Project Cost	299421

Geographic Information

Latitude DD(+/-)	39	MM 21	SS 34
Longitude DD(+/-)	120	MM 47	SS 57
Longitude/Latitude Clarification	Location Near junction of Maybert I		

County	Nevada
Ground Water Basin	Sacramento Valley-South Yuba
Hydrologic Region	Sacramento River
WaterShed	Yuba River

Legislative Information

Assembly District	3rd Assembly District
Senate District	1st Senate District
US Congressional District	District 4 (CA)

Project Information**Project Benefits Information**

Project Name

WCWD - Level-control Altitude Valves on S

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Other	0	Increased instream flows for environmental and other purposes - elimination of spills will reduce diversions from Canyon Creek by 1.6 af (all WCWD project benefits have been aggregated-benefits are interdependant)
Primary	Other	0	Reduced operations costs - Infrastructure upgrades would lower annual O&M by \$12,864 (all WCWD project benefits have been aggregated-benefits are interdependant)
Primary	Other	0	Avoided costs associated with improvements in water reliability - increasing reliability of water supply would produce annual benefit of \$6,809 per year (all WCWD project benefits have been aggregated-benefits are interdependant)
Secondary	Other	0	Avoided costs associated with infrastructure failure - Benefits greater than costs associated with provisioning emergency water supplies (all WCWD project benefits have been aggregated-benefits are interdependant)

Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	0
Inkind Contribution	0
Amount Requested	295076
Total Project Cost	295076

Geographic Information

Latitude DD(+/-)	39	MM 21	SS 34
Longitude DD(+/-)	120	MM 47	SS 57
Longitude/Latitude Clarification	Location Near junction of Maybert I		

County	Nevada
Ground Water Basin	Sacramento Valley-South Yuba
Hydrologic Region	Sacramento River
WaterShed	Yuba River

Legislative Information

Assembly District	3rd Assembly District
Senate District	1st Senate District
US Congressional District	District 4 (CA)

Project Information**Project Benefits Information**

Project Name

WCWD-Leak Detection and Repair - Needs Assessment

Project Benefit Type	Benefit Type	Measurement	Description
			Increased instream flows for environmental and other purposes - detection and repair of leaks would

Primary	Other	0	reduce diversions from Canyon Creek by 1.6 af (all WCWD project benefits have been aggregated-benefits are interdependant)
Primary	Other	0	Reduced operations costs - Ability to detect leaks before they become major, would lower O&M by \$12,864 per year (all WCWD project benefits have been aggregated-benefits are interdependant)
Primary	Other	0	Avoided costs associated with improvements in water reliability - increase in system reliability would produce an annual benefit of \$6,809 per year (all WCWD project benefits have been aggregated-benefits are interdependant)
Secondary	Other	0	Avoided costs associated with infrastructure failure - benefits greater than costs associated with provisioning emergency water supplies (all WCWD project benefits have been aggregated-benefits are interdependant)
Secondary	Other	0	Reduced long-term capital improvements costs (unquantifiable) - increased system information would hve potential to reduce WCWD long-term capital improvement costs (all WCWD project benefits have been aggregated-benefits are interdependant)

Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	0
Inkind Contribution	0
Amount Requested	134536
Total Project Cost	134536

Geographic Information

Latitude DD(+/-)	39	MM 21	SS 34
Longitude DD(+/-)	120	MM 47	SS 57
Longitude/Latitude Clarification	Location		WCWD downtown an

County	Nevada
Ground Water Basin	Sacramento Valley-South Yuba
Hydrologic Region	Sacramento River
WaterShed	Yuba River

Legislative Information

Assembly District	3rd Assembly District
Senate District	1st Senate District
US Congressional District	District 4 (CA)

Project Information**Project Benefits Information**

Project Name Grizzly Flats - Reservoir Relining

Project Benefit Type	Benefit Type	Measurement	Description
			Increased water supply for municipal purposes - reduction in seepage from

Primary	Other	0	reservoir by 16.2 af per year over 50 year lifespan of reservoir lining. Increase reservoir capacity by 5.7 af per year at \$112 per af over 50 year lifespan of reservoir lining.
Primary	Other	0	Increased instream flow for environmental and other purposes - Reservoir relining would result in additional 10.5 af to support instream flows (valued at \$69 per af)
Primary	Other	0	Avoided costs associated with improvements in water reliability - Generate benefits valued at \$5,499 per year
Primary	Other	0	Reduced operations costs - Lining would reduce operation costs by \$14,000 to \$20,000 per year (would last for the project's expected life of 40 years)
Secondary	Other	0	Avoided costs associated with infrastructure failure (unquantifiable) - Benefits substantially greater than the direct costs associated with provisioning emergency water supplies
Secondary	Other	0	Reduced water-treatment costs (unquantifiable) - Reduce total amount of water treated each year, reduce backwash frequency and amount of water-treatment chemicals needed.
Secondary	Other	0	Increased water supply for fighting wildfires (unquantifiable) - Increased water in last summer would increase the ability of regional wildfire responders to control wildfires in the area

Budget

Other Contribution	0
Local Contribution	156466
Federal Contribution	0
Inkind Contribution	0
Amount Requested	405276
Total Project Cost	561742

Geographic Information

Latitude DD(+/-)	38	MM 35	SS 58
Longitude DD(+/-)	120	MM 26	SS 52
Longitude/Latitude Clarification	Location Grizzly Flats		

County	El Dorado
Ground Water Basin	Sacramento Valley-South American
Hydrologic Region	Sacramento River
WaterShed	Cosumnes River

Legislative Information

Assembly District	4th Assembly District
Senate District	1st Senate District
US Congressional District	District 4 (CA)

Project Information**Project Benefits Information**

Project Name Alta/Collfax - Leak Detection and Repair

Project	Benefit		
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Benefit Type	Type	Measurement	Description
Primary	Other	0	Reduced operations costs - Avoid more than \$13,000 in operations costs every five years

Budget

Other Contribution	0
Local Contribution	126724
Federal Contribution	0
Inkind Contribution	0
Amount Requested	147875
Total Project Cost	274599

Geographic Information

Latitude DD(+/-)	39	MM 6	SS 3
Longitude DD(+/-)	120	MM 57	SS 12
Longitude/Latitude Clarification	Location Alta and Colfax north		

County	Placer
Ground Water Basin	Sacramento Valley-North American
Hydrologic Region	Sacramento River
WaterShed	American River

Legislative Information

Assembly District	3rd Assembly District
Senate District	1st Senate District
US Congressional District	District 4 (CA)

Project Information**Project Benefits Information**

Project Name American Rivers-CABY Water Trust

Project Benefit Type	Benefit Type	Measurement	Description
Secondary	Other	0	Enhanced human capital and social capital (unquantifiable) - Establish institutional and legal framework to facilitate voluntary water transfers to increase instream flow for environmental purposes.

Budget

Other Contribution	0
Local Contribution	56800
Federal Contribution	0
Inkind Contribution	0
Amount Requested	161711
Total Project Cost	218511

Geographic Information

Latitude DD(+/-)	38	MM 55	SS 53
Longitude DD(+/-)	121	MM 4	SS 50
Longitude/Latitude Clarification	Location		CABY region

County	Yuba,Nevada,Placer,El Dorado
Ground Water Basin	Sacramento Valley-North American,Sacramento Valley-North Yuba,Sacramento Valley-South American,Sacramento Valley-South Yuba
Hydrologic Region	Sacramento River
WaterShed	Cosumnes, American, Bear and Yuba

Legislative Information

Assembly District	3rd Assembly District
Senate District	4th Senate District
US Congressional District	District 4 (CA)

Project Information

Project Benefits Information

Project Name

South Pine Distribution System Improve

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Other	0	Avoided costs associated with improvements in water supply reliability - lower probability of water shortages, benefits valued at \$12,150 per year (benefits of other Nevada City projects have been aggregated as benefits are interdependant)
Primary	Water Use Efficiency - Best Mgt. Practices-Water Supply Enhancement	0	Increased Instream Flows for Environmental and other purposes - saving 143 af each year (benefits of other Nevada City projects have been aggregated as benefits are interdependant)
Primary	Water Use Efficiency - Conservation-Best Mgt. Practices	0	Avoided Water-Purchase Costs: reduce demand for water by 143 af in first year (project benefits have been aggregated with other Nevada City projects in proposal because benefits are interdependant)
Secondary	Other	0	Avoided costs associated with infrastructure failure (unquantifiable) - Reduce potential of catastrophic leaks
Secondary	Other	0	Reduced long-term capital improvements costs (unquantifiable) - reduce leakage will reduce long-term capital improvement costs (benefits of other Nevada City projects have been aggregated as benefits are interdependant)
Secondary	Other	0	Reduced water-treatment costs: reducing leaks will save the City \$11,060 in first year, would decrease over lifetime of project (benefits of other Nevada City project have been aggregated as benefits are interdependant)

Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	0
Inkind Contribution	0

Amount Requested	420437
Total Project Cost	420437
Geographic Information	
Latitude DD(+/-)	39 MM 16 SS 14
Longitude DD(+/-)	120 MM 48 SS 51
Longitude/Latitude Clarification	Location South Pine Street, N
County	Nevada
Ground Water Basin	Sacramento Valley-South Yuba
Hydrologic Region	Sacramento River
WaterShed	Yuba River

Legislative Information

Assembly District	3rd Assembly District
Senate District	4th Senate District
US Congressional District	District 4 (CA)

Project Information**Project Benefits Information**

Project Name

Park Distribution System Improvement

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Other	0	Avoided costs associated with improvements in water supply reliability - lower probability of water shortages, benefits valued at \$12,150 per year (benefits of other Nevada City projects have been aggregated as benefits are interdependant)
Primary	Water Use Efficiency - Best Mgt. Practices- Water Supply Enhancement	0	Increased instream flows for environmental and other purposes saving 143 af each year ((benefits of other Nevada City projects have been aggregated as benefits are interdependant)
Primary	Water Use Efficiency - Conservation- Best Mgt. Practices	0	Avoided water-purchase costs - reduce demand for water by 143 af in first year (benefits of other Nevada City projects have been aggregated as benefits are interdependant)
Secondary	Other	0	Reduced water-treatment costs - reducing leaks will save the City \$11,060 in first year, would decrease over lifetime of project (benefits o other Nevada City projects have been aggregated as benefits are interdependant)
Secondary	Other	0	Avoided costs associated with infrastructure failure (unquantifiable) - Reduce potential of catastrophic leaks (benefits of other Nevada City projects have been aggregated as benefits are interdependant)

Budget

Other Contribution

0

Local Contribution	0
Federal Contribution	0
Inkind Contribution	0
Amount Requested	116660
Total Project Cost	116660

Geographic Information

Latitude DD(+/-)	39	MM 16	SS 14
Longitude DD(+/-)	120	MM 48	SS 51
Longitude/Latitude Clarification	Location Park Avenue at Pione		

County	Nevada
Ground Water Basin	Sacramento Valley-South Yuba
Hydrologic Region	Sacramento River
WaterShed	Yuba River

Legislative Information

Assembly District	3rd Assembly District
Senate District	4th Senate District
US Congressional District	District 4 (CA)

Project Information**Project Benefits Information**

Project Name

WCWD -System-wide Installation of Water

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Other	0	Increased instream flows for environmental and other purposes - water savings resulting from ability to detect leaks will keep 1.6 af of water in Canyon Creek (all WCWD project benefits have been aggregated-benefits are interdependant)
Primary	Other	0	Reduced operations costs - Significant reduction in annual O&M of \$12,864 per year (all WCWD project benefits have been aggregated-benefits are interdependant)
Primary	Other	0	Avoided costs associated with improvements in water reliability - increase reliability of water supply would produce annual benefit of \$6,809 per year (all WCWD project benefits have been aggregated-benefits are interdependant)
Secondary	Other	0	Avoided costs associated with infrastructure failure - benefits greater than costs associated with provisioning emergency water supplies (all WCWD project benefits have been aggregated-benefits are interdependant)
Secondary	Other	0	Reduced long-term capital improvement costs (unquantifiable) - increase in available information has potential to reduce long-term capital improvement costs

Budget

Other Contribution	0
Local Contribution	0

Federal Contribution	0
Inkind Contribution	0
Amount Requested	133420
Total Project Cost	133420

Geographic Information

Latitude DD(+/-)	39	MM 21	SS 34
Longitude DD(+/-)	120	MM 47	SS 57
Longitude/Latitude Clarification	Location WCWD system wide		

County	Nevada
Ground Water Basin	Sacramento Valley-South Yuba
Hydrologic Region	Sacramento River
WaterShed	Yuba River

Legislative Information

Assembly District	3rd Assembly District
Senate District	1st Senate District
US Congressional District	District 4 (CA)

Project Information**Project Benefits Information**

Project Name

WCWD Integrated Water Shortage Contingency and

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Other	0	Increased Instream flows for environmental and other purposes - retrofit kits would reduce diversions from Canyon Creek by 1.6 af per year (all WCWD project benefits have been aggregated-benefits are interdependent)
Primary	Other	0	Reduced water treatment costs - retrofit kits will reduce demand for treated water by 1.6 af the first year - diminishing over 5 to 7 year lifespan
Secondary	Other	0	Reduced long-term capital improvements costs (unquantifiable) - increased knowledge of system and integrated plans for operations, drought response, and capital improvements, the project would have the potential to reduce WCWD's long-term capital improvement costs

Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	0
Inkind Contribution	0
Amount Requested	104625
Total Project Cost	104625

Geographic Information

Latitude DD(+/-)	39	MM 21	SS 34
Longitude DD(+/-)	120	MM 47	SS 57
Longitude/Latitude Clarification	Location WCWD system-wide		

County	Neveda
Ground Water Basin	Sacramento Valley-South Yuba
Hydrologic Region	Sacramento River
WaterShed	Yuba River

Legislative Information

Assembly District	3rd Assembly District
Senate District	1st Senate District
US Congressional District	District 4 (CA)

Project Information**Project Benefits Information**

Project Name

Grizzly Flats - Leak Detection and Repair

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Other	0	Increased instream flow for environmental and other purposed - Reducing leaks would contribute to additional 10.5 af to support instream flows
Primary	Other	0	Reduced operations costs - Detecting leaks would reduce operation costs by \$14,000 to \$20,000 per year
Primary	Other	0	Avoided costs associated with improvements in water reliability - Generate benefits valued at \$5,499 per year
Secondary	Other	0	Increased water supply for fighting wildfires (unquantifiable) - Increased water in late summer would increase the ability of regional wildfire responders to control wildfires in the area

Budget

Other Contribution	0
Local Contribution	68100
Federal Contribution	0
Inkind Contribution	0
Amount Requested	217920
Total Project Cost	286020

Geographic Information

Latitude DD(+/-)	38	MM 35	SS 58
Longitude DD(+/-)	120	MM 26	SS 52
Longitude/Latitude Clarification	Location Grizzly Flats		

County	El Dorado
Ground Water Basin	Sacramento Valley-South American
Hydrologic Region	Sacramento River
WaterShed	Cosumnes River

Legislative Information

Assembly District	4th Assembly District
Senate District	1st Senate District
US Congressional District	District 4 (CA)

Section : Applicant Information and Question's Tab

APPLICANT INFORMATION AND QUESTION'S TAB

Q1. PROPOSAL DESCRIPTION

Provide a brief abstract of the Proposal, including a listing of individual project titles or types. Please note which projects, if any, directly address a critical water supply or water quality issue for a DAC or Native American Tribal communities.

This proposal addresses the critical need for improved infrastructure and drought preparedness within four rural and predominantly disadvantaged communities through a suite of water conservation and delivery-improvement projects. This effort is coordinated by the Cosumnes, American, Bear, and Yuba (CABY) regional watershed planning collaborative. The CABY region is situated entirely within the Mountain Counties Area as defined by the California Water Plan Update 2009 (DWR Update 2009). Although the Mountain Counties region makes up only 9.9 percent of the total land base and about 2 percent of the total population in California, it contributes over 60 percent of the state's domestic water supply (DWR 2009). While the CABY region is relatively small in terms of land area and population compared to other California regions, the management of its watersheds and water infrastructure is a critical component of the state's domestic water supply. Therefore, an investment of State funding in the economically disadvantaged portions of the CABY region stands to benefit not only local residents, whose very public health and safety is jeopardized by current conditions, but also the overall state domestic water supply, the quality of that supply, and the health of related natural and biological systems. These systems are directly impacted by inefficient water use, functionally obsolete infrastructure and the specter of climate change. Infrastructure Reliability, Conservation, and Efficiency Projects in the Proposal include: Nevada City (DAC) 1. Gracie Road Intertie 2. South Pine Street Distribution System Improvement 3. Park Avenue Distribution System Improvement 4. Prospect Street Distribution System Improvement 5. Install Altitude Valves With Integrated SCADA Systems on Storage Tanks 6. Leak Detection Program 7. Installation Of Water Meters on City Facilities 8. Integrated Water Shortage Contingency, Drought Preparedness, and Comprehensive Water Conservation Planning Program Washington County Water District (DAC) 9. Maybert Road Transfer and Distribution Line Replacement 10. Relief Hill Road Flow Control Pressure System Improvements 11. Level-Control Altitude Valve Improvements 12. System-Wide Installation of Water Meters 13. Downtown Leak Detection and Repair (Needs Assessment and Feasibility Study with Repair of Critical Leaks) 14. Integrated Water Shortage Contingency, Drought Preparedness, and Comprehensive Water Conservation Planning Program Grizzly Flats 15. Reservoir Relining 16. Leak Detection and Repair 17. Integrated Water Shortage Contingency, Drought Preparedness, and Comprehensive Water Conservation Planning Program 18. Alta & Colfax Leak Detection & Repair 19. CABY Water Trust

Q2. PROJECT DIRECTOR

Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

Gene Albaugh, City Manager of Nevada City 317 Broad St, Nevada City, CA 95959 (530) 265-2496 gene.albaugh@co.nevada.ca.us

Q3. PROJECT MANAGEMENT

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Gene Albaugh, City Manager of Nevada City 317 Broad St, Nevada City, CA 95959 (530) 265-2496 gene.albaugh@co.nevada.ca.us

Q4. APPLICANT INFORMATION

Provide the agency name, address, city, state, and zip code of the applicant submitting the application.

City of Nevada City 317 Broad St, Nevada City, CA 95959

Q5. ADDITIONAL INFORMATION

Provide the funding area(s) in which projects are located.

http://www.water.ca.gov/irwm/integregio_fundingarea.cfm

Sacramento Funding Area

Q6. RESPONSIBLE REGIONAL WATER QUALITY CONTROL BOARD(S)

List the name of the Regional Water Quality Control Board (RWQCB) in which your proposal is located. For a region that extends beyond more than one RWQCB boundary, list the name of each Board.

http://www.waterboards.ca.gov/waterboards_map.shtml

Central Valley RWQCB

Q7. ELIGIBILITY

Proposition 84 requires a minimum funding match of 25% of total project cost unless there is a DAC project included in the proposal. Requirements for DAC funding match reductions are included in Exhibit G of this PSP. If your matching funds are less than 25%, please explain.

The majority of projects in the proposal (14 of 19) are DAC projects. As a result, the total funding match for the Proposal is 10%. However, if the DACs, who are exempt from the match, are removed from the formula then the overall match is roughly 30%.

Q8. ELIGIBILITY

Does the application represent a single application from an IRWM Region approved in the RAP (see Section II.B, Table 1)? If yes, include the name of the IRWM Region. If not, explain.

Yes

Q9. ELIGIBILITY

Is the applicant a local agency or non-profit organization as defined in Appendix B of the Grant Guidelines?

- a) Yes
- b) No

Q10. ELIGIBILITY

List the urban water suppliers that will receive funding from the proposed grant. Those listed must submit self certification of compliance with CWC §525 et seq. and AB 1420. If there are none, so indicate and you do not have to answer Q11 and Q12.

PCWA is an urban water supplier. AB1420 documentation is submitted with the hard copy of the proposal, as stipulated in the DWR Prop 84 guidelines.

Q11. ELIGIBILITY

Have all of the urban water suppliers, listed in Q10 above, submitted complete 2005 Urban Water Management Plans (UWMP) to DWR? Have those plans been verified as complete by DWR? If not, explain and provide the anticipated date for having a complete UWMP. Will all of the urban water suppliers listed in Q10, along with any additional urban water suppliers that meet the urban water supplier definition threshold for the first time, submit updated 2010 UWMPs, consistent with the 2010 UWMP Guidebook and verified as complete by DWR, before the execution of a grant agreement? If not, explain.

PCWA has submitted a complete 2005 Urban Water Management Plan to DWR, and that plan has been verified as complete.

Q12. ELIGIBILITY

Have any urban water suppliers listed in Q10 recently submitted AB 1420 compliance tables and supporting documentation to DWR for a different grant program within the past three months? If so, please list the urban water supplier and the grant program. An urban water supplier must submit AB 1420 compliance documentation to DWR. If the urban water supplier has not submitted AB 1420 documentation, or that documentation was determined to be incomplete by DWR, the urban water supplier's projects will not be considered eligible for grant funding. Refer to Section IIIB of the Guidelines for additional information.

No. AB1420 compliance documentation will be submitted with the hard copy of the proposal.

Q13. ELIGIBILITY

Does the Proposal include any groundwater management or groundwater recharge projects or projects with potential groundwater impacts? If so, provide the name(s) of the project(s) and list the agency(ies) that will implement the project(s).

No

Q14. ELIGIBILITY

For the agency(ies) listed in Q13, how has the agency complied with CWC §10753 regarding GWMPs, as described in Section III.B of the Grant Guidelines?

n/a

Q15. ELIGIBILITY

Does the IRWM region receive water supplied from the Sacramento-San Joaquin Delta? Please answer yes or no. If no, please explain. If yes, please answer Question 16.

No

Q16. ELIGIBILITY

Does the existing IRWM Plan help reduce dependence on the Sacramento-San Joaquin Delta for water supply? Please answer yes or no. If no, please explain. If yes, please complete Attachment 15.

No. The CABY region includes the headwaters (source water) of the Cosumnes, American, Bear, and Yuba Rivers, which contribute significant flows to the Sacramento-San Joaquin Delta.

Q17. ELIGIBILITY

If an update to the plan takes place in the near future, will the updated plan continue to reduce dependence on the Sacramento-San Joaquin Delta for water supply? Please answer yes or no. If no, please explain. If yes, please complete Attachment 15.

As stated above, waterways in the CABY region contribute significant flows to the Delta. There are many projects in the CABY IRWMP that will provide benefits to the Delta.

Section : Application Attachments Tab**APPLICATION ATTACHMENTS TAB****A1. ATTACHMENT 1**

Upload Authorization and Eligibility documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Eligible.pdf

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

A2. ATTACHMENT 2

Upload Proof of Formal Adoption documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments:

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

A3. ATTACHMENT 3

Upload the Work Plan here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: 1 WorkPlan.pdf

Upload additional work plan components here.

Last Uploaded Attachments: 2 WorkPlan.pdf

Upload additional work plan components here.

Last Uploaded Attachments: 3 WorkPlan.pdf

Upload additional work plan components here.

Last Uploaded Attachments:

Upload additional work plan components here.

Last Uploaded Attachments: 4 WorkPlan.pdf

A4. ATTACHMENT 4

Upload the Budget here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Budget.pdf

Upload additional budget components here.

Last Uploaded Attachments:

Upload additional budget components here.

Last Uploaded Attachments:

Upload additional budget components here.

Last Uploaded Attachments:

Upload additional budget components here.

A5. ATTACHMENT 5

Upload the Schedule here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: 1 Schedule.pdf

Upload additional schedule components here.

Last Uploaded Attachments: 3 Schedule.pdf

Upload additional schedule components here.

Upload additional schedule components here.

Last Uploaded Attachments: 2 Schedule.pdf

Upload additional schedule components here.

A6. ATTACHMENT 6

Upload Monitoring, Assessment, and Performance Measures here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: 1 Measures Divider.pdf

Upload additional Monitoring, Assessment, and Performance Measures here.

Last Uploaded Attachments: Measures.doc

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

A7. ATTACHMENT 7

Upload Economic Analysis - Water Supply Costs and Benefits here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: WSBen 1.pdf

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

Last Uploaded Attachments: WSBen 2.pdf

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

A8. ATTACHMENT 8

Upload Water Quality and Other Expected Benefits here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: WQOtherBen 1.pdf

Upload additional Water Quality and Other Expected Benefits documentation here.

Last Uploaded Attachments: WQOtherBen.pdf

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Section : Application Attachments Tab (cont)

APPLICATION ATTACHMENTS TAB (CONT)

A9. ATTACHMENT 9

Upload Economic Analysis - Flood Damage Reduction Costs and Benefits here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

A10. ATTACHMENT 10

Upload Costs and Benefits Summary here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: BSummary 1.pdf

Upload additional Costs and Benefits Summary documentation here.

Last Uploaded Attachments: BSummary.pdf

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

A11. ATTACHMENT 11

Upload Program Preference documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: 1 Preference.pdf

Upload additional Program Preference documentation here.

Last Uploaded Attachments: 2 Preference.doc

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

Upload additional Disadvantaged Community Assistance documentation here.

Last Uploaded Attachments: 1 Att 12 DAC Divider.pdf

Upload additional Disadvantaged Community Assistance documentation here.

Upload additional Disadvantaged Community Assistance documentation here.

Last Uploaded Attachments: DAC.doc

A13. ATTACHMENT 13

Upload AB 1420 and Water Meter Compliance documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Upload additional AB 1420 and Water Meter Compliance documentation here.

Upload additional AB 1420 and Water Meter Compliance documentation here.

Upload additional AB 1420 and Water Meter Compliance documentation here.

Upload additional AB 1420 and Water Meter Compliance documentation here.

A14. ATTACHMENT 14

Upload Consent Form here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Consent.pdf

Upload additional Consent Form documentation here.

Upload additional Consent Form documentation here.

Upload additional Consent Form documentation here.

Upload additional Consent Form documentation here.

A15. ATTACHMENT 15

Upload IRWM Plan - Reduce Delta Water Dependence documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin). For the "AttachmentName" in the naming convention of BMS, use "Delta" for this attachment.

Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.

Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.

Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.

Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.